

ROZHDESTVENSKIY, L.M.

Protection by means of β -mercaptoethylamine of the regeneration processes in the corneal epithelium of irradiated mice. Radiobiologia 4 no.4:582-586 '64. (MIRA 17:11)

1. Institut biofiziki Ministerstva zdavookhraneniya, Moskva.

"Effect of Ischemia on the Regeneration of Nerve Trunks"
Vrachebnoye Delo, No 6, 1953, pp 519-522

Ischemia was created in the legs of dogs by ligation or resection of the blood vessels. The sciatic nerve was cut in the test animals but not in the controls. The tempo of regeneration of nerve fibers was somewhat slowed due to ischemia. The new fibers were characterized by thinness, by irregular growth, and marked thickening at the ends. After 12 months the new nerve formations had only a thin layer of myeline. Activity of the leg was limited in the area of the resected nerve as compared to that of the control dog. Resection of the blood vessel was more effective than ligation. After some pathohistological adjustments regeneration progressed fairly well, possibly due to compensating mechanisms. Author believes that changes did not affect the limb alone but had deeper functional effects influencing the entire organism. (RZhBiol, No 2, 1954)

SO: Sum. 492, 12 May 55

ROZHDESTVENSKIY, L.M., dotsent

Cerebrospinal hernias in children. Nov.khir.arkh. no.3:72-73 My-Je '57.
(MLBA 10:8)

1. Kafedra gospiatal'noy khirurgii (zav. - prof. L.N.Kuzmenko) L'vov-
skogo meditsinskogo instituta
(SPINA BIFIDA)

ROZHDESTVENSKIY, L.M., student VI kursa, NAVROTSKAYA, V.V., studentka III kursa
LEBEDEVA, E.D., studentka III kursa.

Experimental surgery in providing a plastic tube for the trachea.
Vest,oto.-rin. 20 no.3:105 My-Je '58 (MIRA 11:6)

1. Iz kafedry operativnoy khirurgii i topograficheskoy anatomii
(zav. - prof. V.V. Kovanov) I Moskovskogo meditsinskogo instituta
imeni I.M. Sechenova.
(TRACHEA--SURGERY)

ROZHDESTVENSKIY, L.M., dotsent

Respiratory function of the lungs and oxygen content in the blood
in closed craniocerebral trauma. Vrach. delo no.8:60-65 Ag '61.

(MIRA 15:3)

1. Kafedra gospital'noy khirurgii (zav. - prof. L.N. Kuzmenko)
L'vovskogo meditsinskogo instituta.

(BLOOD---OXYGEN CONTENT)

(RESPIRATION)

(BRAIN---WOUNDS AND INJURIES)

S/241/63/008/002/004/006
D243/D307

AUTHORS: Gruzdev, G.P., Yevseyeva, N.K., Rozhdestvenskiy, L.M., Fedotova, M.I. and Shcherbova, Ye.N.

TITLE: Disturbance of cell regeneration in the bone marrow of rats exposed to ionizing radiation

PERIODICAL: Meditsinskaya radiologiya, v. 8, no. 2, 1963, 35-41

TEXT: The above problem was studied in view of lack of publications concerned with the effect of radiation on the bone marrow. The animals were exposed to whole-body γ -irradiation at 305 r/min, the total dose being 400 r. The rats were then decapitated on the 1st, 3rd, 5th, 7th, 9th, 15th, 20th and 30th day after irradiation and the mitotic index, the development of chromosome observations, the total content of myeloid cells and individual cellular regenerations in the bone marrow were measured. The mitotic index fell sharply on the 1st day and then rose rapidly to a maximum on the 7th day; a second shallow minimum on the 15th day was then followed by a gradual rise. The number of cells of the bone marrow

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Disturbance of cell regeneration ...

S/241/63/008/002/004/006
D243/D307

was not however fully related to the above changes. Chromosome aberrations rose sharply on the 1st day after irradiation and then rapidly decreased, with a slight maximum on the 7th day. The mitotic activity of erithropoietic cells showed a sharp rise from the 3rd day after dosing, indicating regeneration of these cells. It is concluded that the myeloid cells of the bone marrow, which divided with manifestation of chromosome aberrations, gave rise to non-viable daughter cells and perished rapidly. There are 1 figure and 3 tables.

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L 16636-65 EWG(j)/EWI(m) Pb-4 ESD(t)/AMD
ACCESSION NR: AP4043216

S/0205/64/004/004/0582/0586

AUTHOR: Rozhdestvenskiy, L. M.

TITLE: Beta-mercaptoethylamine protection of the regenerative
process in corneal epithelium of irradiated mice ^B

SOURCE: Radiobiologiya, v. 4, no. 4, 1964, 582-586 ¹⁹

TOPIC TAGS: mouse, eye, cornea, irradiation exposure, regeneration,
radioprotector, beta-mercaptoethylamine, survival, chromosomal
aberration, mitosis, vision

ABSTRACT: Two groups of white female mice (18 to 24 G) were gamma-irradiated (Co^{60} , 284 r/min) with single 600 r doses to evaluate the radioprotective action of beta-mercaptoethylamine by its effect on corneal epithelium regeneration. The first group of animals received beta-mercaptoethylamine (0.1 ml of a 3% solution) intraperitoneally 8 to 11 min before irradiation, and the second group serving as a control received a physiological solution (0.1 ml) intraperitoneally at the same time. Animals were killed at periods of 1 to 15 days after irradiation, and animals from each group were selected to

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L 16636-65

ACCESSION NR: AP4043216

determine survival at the end of 30 days. One eye of each animal was used to make a cornea preparation, and the other eye was used to examine the center and periphery of the cornea in 25 fields of vision. The following indices were determined for each field of vision: average number of cells, mitotic index, and percentage of cells with chromosome aberrations. Findings show that at the end of 30 days all beta-mercaptoethylamine protected animals survived and only 32% of the control animals survived. Corneal epithelial tissue of the protected animals was damaged less than in control animals, with damage higher in the center of the cornea than in the periphery. The number of cells in the center and the periphery of the cornea was restored to normal the 10th and 5th days respectively in protected animals, and the 15th and 7th days respectively in control animals. The number of cells with chromosome aberrations in the first mitosis was less in protected animals than in control animals. Beta-mercaptoethylamine is an effective radioprotector, but does not significantly affect the mitotic index. The number of cells with chromosome aberrations in the corneal epithelium can be used as an index for preliminary evaluation of radioprotective preparations in mice and for finding optimum administering periods before irradiation. Orig. art. has: 3 tables.

Card 2/3

L 16636-65

ACCESSION NR: AP4043216

ASSOCIATION: Institut biofiziki MZ SSSR, Moscow (Biophysics
Institute, MZ SSSR)

SUBMITTED: 29Mar63

ENCL: 00

SUB CODE: LS

NR REF SOV: 005

OTHER: 007

Card 3/3

COUNTRY : USSR
CATEGORY :

M-7

ABS. JOUR. : RZBiol., No. 7, 1958, No. 87136

AUTHOR : Rozdestvenskiy, M.

INST. :

TITLE : Fall and Winter Flushing-Irrigation -- An
Agrotechnological Operation of Utmost Im-
portance.

ORIG. PUB. : Khlopkovodstvo, 1957, No 12, 24-28

ABSTRACT : General conclusions based on experience with
flushing irrigation of cotton at Fedchenkovskaya experiment
station of land reclamation and at collective farms of the
Ferganskaya Oblast'. The importance is pointed out of the
time of irrigation, leveling of microrelief, condition of
drainage system, dependence of rate and duration of irri-
gation on the degree of salination of the soil, rate of
lowering of ground water level, etc. An analysis is made
of the different irrigation methods (of growing cotton,
on furrows of autumn plowing, of autumn plowing following
burning off). -- D. B. Vakhristrov.

CARD: //

PROCESS AND PROPERTIES INDEX																									
15 The function of lucerne in combating accumulation of salts in soil. M. Rozhdestvenskii. <i>Soviet. Subtropiki</i> 1938, No. 7, 42-7; <i>Chimie & Industrie</i> 41, 1184. Cultivation of lucerne regenerates soils with excessive salt contents. The age of the plant is important in this respect, 3-yr. old lucerne acting best from this standpoint. The improvement is greater with soils having relatively high salt contents. A. Papineau-Couture																									
ASH S.A. METALLURGICAL LITERATURE CLASSIFICATION																									

COUNTRY	:	USSR	
CATEGORY	:	Soil Science. Mineral Fertilizers.	J
ABS. JOUR.	:	RZhBiol., No. 3 1959, No. 10690	
AUTHOR	:	Rozhdestvenskiy, M.	
INST.	:	-	
TITLE	:	Pre-Planting Application of Phosphorus Fertilizers on Saline Soils.	
ORIG. PUB.	:	Khlopkovodstvo, 1958, No. 3, 35-38	
ABSTRACT	:	On meadow saline soils where fall plowing is done and later the leaching irrigations, it is better to apply P ₂ O ₅ after leaching, i.e. in the period of pre-planting tillage of the fields or at planting time and also during the vegetation season. According to the experiments of Fedchenkovskaya Meliorative Experiment Station of the Scientific Research Cotton Institute, the greatest increase in the yield of cotton (2.8 centners/ha) was obtained in the variant of the experiment in which P was	

CAFD: 1/3

COUNTRY :
CATEGORY :

J

ABS. JOUR. : RZhBiol., No. 1959, No. 10690

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : when it is applied in mixture with organic additions
(rotted manure). -- L. D. Stonov

CARD: 3/3

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ROZHDESTVENSKI, P.

Cotton Growing

Technique of sowing cotton plants in unirrigated regions. Khlopkovodstvo no. 3, 1952.

Monthly List of Russian Accessions, Library of Congress, June 1952. UNCLASSIFIED.

1. ROZHDESTVENSKIY, M.
2. USSR (600)
4. Fertilizers and Manures
7. Fertilizer system in grassland cotton-and-grain crop rotations. Khlopkovodstvo no. 10, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

1. ROZHDESTVENSKIY, M.
2. USSR (600)
4. Fertilizers and Manures
7. Effect of mineral fertilizers on the qualitative composition of proteins in wheat.
Dokl. AN SSSR 87 no. 3, 1952.
9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

ROZDESTVENSKIY, M.; MIKHALIN, S.

Trade-Unions

Work of the mass-production commission. Prof. soiuzy no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 195~~3~~², Uncl.

ROZHDESTVENSKAYA, M.A.

Quantitative method for the determination of blood proteins; total protein, albumin, and alpha, beta, and gamma globulin. Akt.vop.perel. krovi no.6:280-282 '58. (MIRA 13:1)

1. Laboratoriya konservirovaniya krovi Leningradskogo instituta perelivaniya krovi (zav. laboratoriyey - starshiy nauchnyy sotrudnik A.D. Belyakov).

(BLOOD PROTEINS)

ROZHDESTVENSKIY, M.: MIKHAYLIN, S.

Trade - Unions

Work of the mass-production commission.
Prof. soiuzy No. 5, '52.

Monthly List of Russian Accessions, Library of Congress, August, 1952. UNCLASSIFIED.

ROZHDESTVENSKAYA, M. A.

(from the Leningrad Scientific Research Institute of Blood Transfusion, of the Order of the Red Banner of Workers; Director, Docent A. D. Belyakov; Scientific Director, Corresponding Member of the AMN of the USSR, Prof. A. N. Filatov)

"The Hemoglobin of Preserved Blood"; *Russ. Hematol. & Blood Transfus.*, No. 1, 1976

abstract--B-99405

ATAKHODZHAYEV, A.K.; TUKVATULLIN, F.Kh.; ROZHDESTVENSKIY, M.I.; EGARKULOV, A.;
YARUKHAETOV, G.D.

Rotary mobility and rigidity of certain molecules with two benzene
rings. Ukr. fiz. zhur. 9 no.5:552-555 My '64. (MIRA 17:9)

1. Samarkhandskiy gosudarstvennyy universitet.

KALITEYEVSKIY, Rostislav Yevgen'yevich; YUDIN, Solomon Borisovich;
SHEVELEV, Leonid Yefimovich; ROZHDESTVENSKIY, M.K., red.;
DONNIKOVA, AA., red. izd-va; GRECHISHEVA, V.I., tekhn. red.

[Equipment and technological processes of band-saw continuous
production lines] Oborudovanie i tekhnologicheskie protsessy
lentochnopil'nykh potokov. Moskva, Goslesbumizdat, 1962.
148 p. (MIRA 15:12)

(Band saws) (Assembly-line methods)

ROZHDESTVENSKIY, M. N.

"Cultivation of Salted Fallow in the Golodnaya Steepe," Sub. 16 Apr 47, Soil
Inst imeni V. V. Dokuchayev, Acad Sci USSR.

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No.457, 18 Apr 55

Synthesis of 3,5-dihydroxytoluene (oreinol). M. S. Kisteneva and M. S. Rozhdestvenskii (Chem. Reagent Inst., Moscow). Zhur. Priklad. Khim. (J. Applied Chem.) 22, 1108-12 (1949).—Freshly distd. o-MeC₆H₄NH₂ (400 g.) is treated below 100° with 485 g. H₂SO₄ (d. 1.84), the mixt. heated 3 hrs. at 180-90°, 1.5 hrs. at 190-220°, and 2 hrs. at 220-30°, cooled to room temp., 2020 g. 30% oleum added, the mixt. kept 1 hr. at 140-60° and 0.5 hr. at 180-70°, treated with 2 kg. ice, the crude acid filtered off, combined with the Na salt pptd. by adding 800 g. NaCl to the mother liquor, boiled with charcoal in 1.5 l. H₂O, filtered, and 1.5 l. 25% NaCl added, pptg. 1150-1200 g. 94% pure mono-Na salt of 2-aminotoluene-3,5-disulfonic acid (I). This (240 g.) in 1.6 l. H₂O and 120 ml. concd. HCl treated with 61.5 g. NaNO₂ in 160 ml. H₂O at 0-6°, let stand 0.5 hr., and 160 g. NaCl added, gave 255-90 g. diazo compound, which, boiled with 2 l. EtOH and 16 g. CuSO₄ 4-4.5 hrs. yielded 75-85 g. mono-Na toluene-3,5-disulfonate, while the filtrate after evapn. of the EtOH, treatment of the residue with H₂O and NaOH, filtration, and evapn. gave 115-20 g. di-Na salt. Addn. of the diazo compd. (from 0.8 mole NH₂ deriv.) to 940 g. 50% HCO₂H and 12 g. Cu filings with stirring 1.5-2 hrs. at room temp. gave 82-8% di-Na toluene-3,5-disulfonate after concn. and neutralization with NaOH. Addn. of this (200 g.) (or 185 g. mono-Na salt) to 450 g. molten NaOH and 150 g. KOH at 250-65°, stirring 1-1.5 hrs. at 200-305°, quenching, acidifying with HCl, filtration, concn., filtration of the NaCl, neutralization to alkyl. to litmus, extrn. with C₆H₆ to remove impurities and, finally, extrn. with BuOH or iso-AmOH, and evapn. of the ext. gave 33-7 g. oreinol, b.p. 165-70°, m. 110-10.5° (from C₆H₆). Heating 70 g. p-ClC₆H₄Me and 280 g. concd. H₂SO₄ 5 hrs. at 130-40° gave 70-5% Ba 4-chlorotoluenesulfonate, which was converted to the K salt by K₂CO₃; the K salt fused 35-40 min. at 290-300° with NaOH gave a poor yield of impure oreinol, m. 80-6°. G. M. Kuzolapov

ROZHDESTVENSKIY, N.

Workers' welfare is the center of attention of the municipal soviet.
Zhil.-kom. khoz. no. 5:4-5. '57. (MLRA 10:6)

1. Predsedatel' Omskogo gorodskogo soveta.
(Omsk--Municipal services)

ROZHDESTVENSKIY, N.; SOBOLEV, V.

For a further advance in the mass movement of innovators and inventors.
Sov.profsoiuzy 4 no.10:7-12 0 '56. (MLRA 9:11)
(Suggestion systems)

ROZHDESTVENSKIY, N.; LUSHCHIK, N.

Workers' and employees' conferences on production. Sov. profsoiuzy
3 no. 8:54-56 Ag'55. (MLRA 8:10)
(Works councils)

LADESIVEREALL, H.

Moving Picture Projectors

Elimination of disturbances in the operation of switches. Kinomekhanik no. 8, 1951.

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED.

ROZHDESTVENSKIY, N. A.

ROZHDESTVENSKIY, N. A., and ROZHDESTVENSKAYA, A. A. "Testing the Resistance of Various Varieties of Potato to Phyophthora," Biulleten' VII Vsesoiuznogo S'ezda po Zashchite Rastenii v Leningrade 15-23 Noiabria 1932 Goda, no. 6, 1932, pp. 12-13 423.92 V96

SO: SIRA SI 90-53, 15 Dec . 1953

ROZHDESTVENSKIY, N.A., kand. tekhn. nauk

Main steam boilers on new Russian-built tankers. Inform.
sbor. TSNIIMF no. 71: Tekh. ekapl. mor flota no. 25:75-102 '63.
(MIRA 17:9)

101

ROZHDESTVENSKIY, N. A.

ROZHDESTVENSKIY, N. A. "Diseases and Injuries of Potatoes," Raboty Nauchno-Issledovatel'skogo Instituta Kartofel'nogo Khoziaistva, no. 10, 1934, pp. 96-102, 75.9 L54

SO: SIRA SI 90-53, 15 Dec. 1953

ROZHDESTVENSKIY, N. A.

ROZHDESTVENSKIY, N. A. "Potato Diseases and Their Control," in Sel'skokhoziaistvennaia Entsiklopediia, State Publishing House of Agricultural Literature, Moscow, vol. 3, 1934, pp. 27-31. 30.1 Se42

SO: SIRA SI 90-53, 15 Dec. 1953

ROZHDESTVENSKIY, N. A.

ROZHDESTVENSKIY, N. A. "Diseases and Injuries of Potatoes," Raboty Nauchno-Issledovatel'skogo Instituta Kartofel'nogo Khoziaistva, Seriya 8, no. 1, 1935, pp. 65-71 75.9 M85S

SO: SIRA SI 90-53, 15 Dec. 1953

ROZHDESTVENSKIY, N. A.

ROZHDESTVENSKIY, N. A. "Summary of Literature on Powdery Scab (*Spongospora subterranea* Wallr.) of Potato," in Powdery Scab of Potato, a Collection of Articles, Publishing House of the Belorussian Academy of Science, Minsk, 1936, pp. 111-133. 464.1 M66

SO: SIRA SI 90-53, 15 Dec. 1953

ACC NR: AR6028519

(N)

SOURCE CODE: UR/0398/66/000/005/V017/V017

AUTHOR: Rozhdestvenskiy, N. A.; Landa, L. Ye.

TITLE: Results of main propulsion installation tests aboard the tanker Sofiya on its first operational voyage

SOURCE: Ref. zh. Vodnyy transport, Abs. 5V77

REF SOURCE: Inform. sb. Tsentr. n.-i. in-t morsk. flota, no. 37 (140), 1965, 29-70

TOPIC TAGS: propulsion engineering, propulsion performance, propulsion system test, ocean transportation, ship component, cargo ship, steam turbine, turbine engine, ~~propulsion research facility~~, system reliability, mechanical power transmission device

ABSTRACT: The type TS-2 GTZA [main geared-turbine unit] installed in the ships differs from the GTZA in ships of the Pekin class in the systems used to regulate, control, and protect the unit. The tests conducted by a brigade from the TsNIIMF [Central Scientific-Research Institute for the Merchant Marine] and the ChMP [Black Sea Steamship Company] revealed that the steam turbine installation has good economic and operational indices. Some faults appeared in the GTZA remote control system for the maneuvering valves. Inadequate reliability of equipment and mechanisms, and the great number of different types and sizes of marine mechanisms and equipments used in Soviet steam turbine installations is commented on. The steam system for the ship's installation is diagrammed. 12 figures, 6 tables. [Translation of abstract]

SUB CODE: 13

Card 1/1

UDC: 621.125:678.016

ROZHDESTVENSKIY, N.A.

All-Union Seminar on Foundation Engineering. Osn., fund. i mekh.
grun. 7 no.1:27 '65. (MIRA 18:4)

GOLOVIZNIN, A.M., kand.tekhn.nauk; GOL'DENFON, A.K., kand.tekhn.nauk;
GRIGOR'YEV, G.T.; KORNYAYEV, Yu.T.; SRABOV, K.Ye.; STRUMPE, P.I.,
kand.tekhn.nauk, otv.red.; DRANITSYN, S.N., kand.tekhn.nauk, red.;
GOROBETS, V.A., kand.voyen.-morskikh nauk, red.; YEVREINOV, I.V.,
kand.tekhn.nauk; KORCHAGIN, M.I., kand.tekhn.nauk; KURZON, A.G.,
doktor tekhn.nauk; MIROSHNICHENKO, I.P., kand.tekhn.nauk;
ROZHDESTVENSKIY, N.A., kand.tekhn.nauk; SYROMYATNIKOV, V.F.,
kand.tekhn.nauk; BAMA, N.G., red.; STUL'CHIKOVA, N., tekhn.red.

[Marine nuclear steam turbine plants.] Sudovye iadernye
paroturbinnye ustanovki. Leningrad. Izd-vo "Morskoi transport,"
1963. 135 p. Leningrad, TSentral'nyi nauchno-issledovatel'skiy
institut morskogo flota. Informatsionnyi sbornik, no. 77/78.
Tekhnicheskaya ekspluatatsiya morskogo flota, no. 15/16).
(MIRA 17:2)

1. Sotrudnik TSentral'nogo nauchno-issledovatel'skogo
instituta morskogo flota (for Goloviznin, Gol'denfon,
Grigor'yev, Kornayev, Srabov).

DRANITSIN, S.N., kand.tekhn.nauk; ANTONOVICH, S.A., kand.tekhn.nauk,
nauchnyy red.; STRUMPE, P.I., kand.tekhn.nauk, otv.red.;
GOROBETS, V.A., kand.voyen.-morskikh nauk, red.; YEVREINOV,
I.V., kand.tekhn.nauk, red.; KONCHAGIN, M.I., kand.tekhn.nauk,
red.; KURZON, A.G., doktor tekhn.nauk, red.; ROZHDESEVSKIY,
N.A., kand.tekhn.nauk, red.; SYHOMYATNIKOV, V.F., kand.tekhn.
nauk, red.

[Automation of power plants on seagoing merchant ships.]
Avtomatizatsiya silovykh ustanovok morskikh transportnykh
sudov. Leningrad, Izd-vo "Morskoi transport," 1963, 3 p.
(Leningrad. Tsentral'nyi nauchno-issledovatel'skii institut
morskogo flota. Informatsionnyi sbornik, no. 99) (MIRA 17:6)

ROZHDESTVENSKIY, N.A.; TRILESSKIY, S.V.; SALAMOV, K.P.

New method of installing deep foundations made of drilled footings.

Osn., fund. i mekh. grun. 4 no. 1:20-23 '62.

(MIRA 16:2)

(Foundations)

ROZHDESTVENSKIY, N.A., kand.tekhn.nauk

Main directions of the development of marine steam turbine
plants. Trudy TSNIMF no.38:3-30 '61. (MIRA 15:9)
(Steam turbines, Marine)

ROZHDESTVENSKIY, N.A., kand.tekhn.nauk; LEVIN, B.M., kand.tekhn.nauk

Power plant of the steamship "Leninskii Komsomol." Inform.sbor.-
TSNIIMF no.52. Tekh.ekspl.mor.flota no.5:19-48 '60. (MIRA 15:2)
(Marine engines)

ROZHDESTVENSKIY, N.A., kand.tekhn.nauk

Monolithic water-retaining walls made of concrete piles. [Trudy]
NIIOSP no.40:14-27 '59. (MIRA 13:9)
(Retaining walls) (Concrete piling)

ROZHDESTVENSKIY, N.A.; TROFIMENKOV, Yu.G.

Constructing deep foundations in yougoslavia. Osn. fund. 1 mekh.
grun. no.4:28-30 '59. (MIRA 12:10)
(Yugoslavia--Foundations)

ROZHDESTVENSKIY, N. A.
(p 2)

3-5-8/38

AUTHOR: Rozhdestvenskiy, E.W., Head of the Section of Educational Institutions of the District Committee of the KPSS of Omsk (Zaveduyushchiy sektorom uchebnykh zavedeniy Omskogo obkoma KPSS)

TITLE: A Useful Seminar (Poleznyy seminar)

PERIODICAL: Vestnik vysshey shkoly, 1957, Nr 5, pp 29-30 (USSR)

ABSTRACT: The District Committee Office of the KPSS decided to organize a seminar during the winter holidays - from 1 to 7th February - for the members of chairs of social sciences of the Omsk vuzes. The program provided for various lectures and reports, theoretical discussions and excursions to industrial works.

D.M. Tokarev, vice-chairman of the Executive Committee (Ispolkom) of the oblast's soviet of workers' deputies, reported on the aspects of the economic and cultural development in the district.

V.F. Simakov, secretary of the town committee of the KPSS, reported on the accomplishments of the Omsk industrial establishments in 1956 and their tasks for 1957.

I.N. Kuznetsov, head of the agricultural department of the

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3-5-8/38

A Useful Seminar

Oblast' committee, concentrated his report on the results of the agricultural year.

N.A. Rozhdestvenskiy, chairman of the executive committee of the town council, talked about the situation and measures of improvement of the city of Omsk. K.N. Golikov, head of the Omsk railway, reported on the aspects of development of the railway transport of the USSR. Professor A.Ya. Malakhovskiy and Dotsent A.R. Kozhevnikov - members of the Institute of Agriculture - reported on the latest results of the agricultural sciences. Professor I.S. Novitskiy, Director of the Institute of Medicine, reported on the outstanding successes of medical science.

Ye.I. Belen'kiy, Candidate of Philology (Teacher's Training College) read a paper relating to "Soviet Literature After the XXth Congress of the KPSS". I.N. Novikov, holding the Chair of History at the Teacher's Training College, reported on important revolutionary events on the oblast' territory.

A great help in the seminar work was given by a specialist in political economy, Dotsent I.I. Kozodoyev and specialist in philosophy Dotsent W.A. Karpushin, who were sent to the seminar by the Ministry of Higher Education.

I.P. Melenkov, Secretary of the Omsk town committee of

ROZHDESTVENSKIY, N.A., kandidat tekhnicheskikh nauk; SHAPIRO, I.A., inzhener.

Use of underwater concrete construction in building the bottom of a sunken well. Build.stroi.tekh. 10 no.16:17-18 N '53. (MLRA 6:11)
(Hydraulic engineering) (Concrete construction)

ROZHDESTVENSKIY, N.A., kandidat tekhnicheskikh nauk; SHAPIRO, I.A., inzhener.

Construction of a caisson bottom by the method of underwater concreting.
Stroi.prom. 31 no.10:12-14 0 '53. (MLRA 6:11)

(Concrete construction)

ROZHDESTVENSKIY, N. A.

Dissertation: "Investigation of the Circulation of Water in Ship Boilers of the River Fleet During Stationary and Nonstationary Conditions of Their Performance."
Cand Tech Sci, Leningrad Inst of Water Transport Engineers, Leningrad, 1954.
(Referativnyy Zhurnal--Mekhanika, Moscow, Aug 54)

SO: SUM 393, 28 Feb 1955

ROZHDESTVENSKIY, N.D.

LYAKHOV, Georgiy Mironovich; ROZHDESTVENSKIY, Nikolay Dmitriyevich [deceased];
SHUSHKOVSKAYA, Ye.L., red. izd-va; VINOGRADOVA, G.V., red. izd-va;
MADEINDKAYA, A.A., tekhn. red.

[Minimum engineering requirements for mining] Tekhminimum po gornomu
delu. Izd.2., perer. i dop. Moskva, Ugletekhizdat, 1958. 207 p.
(Coal mines and mining) (MIRA 11:7)

N. D. ROZHDESTVENSKIY

2/2

664

.L91

Gornoye Delo (Mining, By) GEORGIY MIRONOVICH LYAKHOV I N. D. Rozhdestvenskiy. Moskva,
Ugletekhizdat, 1955.
147 P. Illus., Diagr., Tables.

ROZHDESTVENSKIY, N. D.

N/5
664
.L911
1958

Lyakhov, Georgiy Mironovich

Tekhminimum po gornomu delu [Minimum
standards for mining practices, by]
G. M. Lyakhov i N. D. Rozhdestvenskiy
Izd. 2., perer. i dop. Moskva, Ugle-
tekhizdat, 1958.

207 p. illus., diagrs.

ROZHDESTVENSKIY, NIKOLAY DMITRIYEVICH

LYAKHOV, Georgiy Mironovich; ROZHDESTVENSKIY, Nikolay Dmitriyevich;
KAZAKOV, B. Ye., redaktor; PROZOROVSKAYA, V. I., tekhnicheskii
redaktor; ANDREYEV, G. G., tekhnicheskii redaktor

[Mining] Gornoe delo. Moskva, Ugletekhizdat, 1955. 147 p.
(Mining engineering)

ROZHDESTVENSKIY, N.G., kandidat tekhnicheskikh nauk.

First aerodynamic spatial model in the hydraulics laboratory
of the Moscow Power Engineering Institute. Trudy MEI no.19:150-
153 '56. (MLRA 10:1)

1. Kafedra gidravliki.
(Hydraulic engineering--Models)

SOV/124-57-5-5561

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 5, p 65 (USSR)

AUTHOR: Rozhdestvenskiy, N. G.

TITLE: The First Three-dimensional Aerodynamic Model in the MEI
(Moscow Institute of Energetics) Hydraulic Laboratory (Pervaya aerodinamicheskaya prostranstvennaya model' v gidravlicheskoj laboratorii MEI)

PERIODICAL: Tr. Mosk. energ. in-ta, 1956, Nr 19, pp 150-153

ABSTRACT: A detailed description is given of the engineering aspects of an investigation of the construction stage of a hydraulic-power installation according to the A. G. Averkiyev (Izv. Vses. n.-i. in-ta gidrotekhn., 1953, Vol 47) method of simulation of free-surface hydraulic flows on aerodynamic models under pressure. Of some interest are the brief comments of the author concerning experiments conducted on the aerodynamic model for the investigation of erosion in the vicinity of coffer-dam locations. Unfortunately, no opinions are presented concerning the results of these experiments.

M. E. Faktorovich

Card 1/1

ROZHDESTVENSKIY, N. G.

On 31 May 1946, at the Power Engineering Institute imeni Molotov, defended his dissertation on " A Hydraulic 'Vingrotor' ". Official opponents - Doctor of Technical Sciences Professor Ye V. Bliznyak, and Engineer B. B. Kazhinskiy.

So: Elektrichestvo, No 4, April 1947, pp 90-94 (U-5577, 18 February 1954)

This dissertation presented the calculation, design, and results of operation of a low-power machine with a "vingrotor" motor for micro-power instruments. The test machine was used for a hydro-electric beacon. The machine consists of three basic elements: a free-flowing, rotor-type hydro motor—the "vingrotor"; an electric generator; and a light-signaling instrument. The machine was tested initially under laboratory, and then under operating conditions. All the characteristic coefficients of the motor were determined, a rational form for this motor was worked out, and a proposed method of regulation was tested. On the basis of experimental data conclusions were drawn making it possible to demonstrate the feasibility of using this type of hydro motor in various cases, and a schematic description was presented for a floating hydro station up to 10 kilowatts power using a "vingrotor" motor.

So: IBID

1. ROZHDESTVENSKIY, N. G.
2. USSR (600)
4. Inland Navigation
7. Improving hydraulic conditions for navigation on the lower water level below a hydroelectric plant with a spillway, Rech. transp., 13, no. 2, 1953.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

1. ROZHDESTVENSKIY, N.G.
2. USSR (600)
4. Hydraulic Engineering
7. Improving hydraulic conditions for navigation on the lower water level below a hydroelectric plant with a spillway, Rech.transp. 13 no. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

ROZHDESTVENSKIY, N. N.

32351

ROZHDESTVENSKIY, N. N. Voprosu o Klassifikatsii Uglyevodorodov s Chetyryekhvalentnykh Uglyerodom o klassifikatsii Glavnyeyshikh Polistiklichyestvnykh shyes Tichlyennykh Aromatiche-
skikh Uglyevodorodov. (Vyefyerat). Soobehch. o Nauch. Rabotakh Chlyenov vyesoyuz.
Khim. o-VA im myendelyeyva. 1949 VYP. 3 s. 53-55

SO: Letopis' Zhurnal'nykh Statey. Vol. 44

ROZHDDESTVENSKIY, N. N.																									
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Classification of hydrocarbons with quadrivalent carbon. N. N. Rozhdestvenskii. <i>Uspekhi Khim.</i> 9, 585-8(1040) (1940). R. suggests formulas of the type $C_{11}H_{11}KDT$, where K, D and T are the no. of rings, double bonds and triple bonds, resp., to be followed by formula $[KDT]$; thus, for carotene $[2(11)0]$. A more elaborate system is suggested to indicate the no. of C atoms in the rings and the positions of double bonds. F. H. Rathmann													10												
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130MI STRICTION													130MI ROMINT												
130MI STRICTION													130MI ROMINT												

ROZHDENSTVENSKIY, N. S.

Manual for practical study of Russian in non-Russian pedagogical schools. M_sква,
Gos. učebno-pedagog. izd-vo. 1954. 550p. (55-40926)

PG2117.R6

1. Russian language - Composition and exercises.

ROZHDESTVENSKIY, O.A.; YURMANOVA, M.K.

Letter to the editor. Stomatologiia 42 no.2:106 Mr-Apr'63
(MIRA 17:3)

ROZHDESTVENSKIY, O.A.; YURMANOVA, M.K. (Kuybyshev)

Osteosynthesis of fractures of the lower jaw using metallic pins
without incision of the soft tissues. Stomatologia 41 no.4:43-44
Jl-Ag '62. (MIRA 15:9)

(INTERNAL FIXATION OF FRACTURES) (JAWS--FRACTURE)

ROZHDESTVENSKIY, O.A. (Kuybyshev)

Problem of the diagnosis of Meige's trophedema. Stomatologia
38 no.3:73-74 Ky-Je '59. (MIRA 12:8)
(EDEMA)

GUTMAN, M.B., inzh.; MIKHAYLOV, L.A., inzh.; ROZHDESTVENSKIY, O.I., inzh.

Heating in a fluidized bed. Vest. elektroprom. 34 no.8:53-57
Ag '63. (MIRA 16:9)
(Furnaces, Heating) (Fluidization)

L 40871-66 EWT(m)/EWP(t)/ETI IJP(c) JD

ACC NR: AR6014925

SOURCE CODE: UR/0124/65/000/011/B0107/B0107

AUTHORS: Gutman, M. B.; Mikhaylov, L. A.; Rozhdestvenskiy, O. I.

TITLE: Investigation of heat exchange in a fluidized bed, /

SOURCE: Ref. zh. Mekhanika, Abs. 11B725

REF SOURCE: Elektrotermiya. Nauchno-tekhn. sb., vyp. 41, 1964, 10-11

TOPIC TAGS: heat transfer fluid, conductive heat transfer, heat transfer coefficient, heat treating furnace

ABSTRACT: The coefficient of heat transfer from a fluidized bed with a fixed temperature to a copper or steel specimen located in the fluidized bed (which consists of sand particles with a fractional composition from 0.6 to 0.85 mm) was investigated. During the experiments the reduced velocity of the liquefying air varied from 0.55 to 1 m/sec. For the copper specimen, values of the heat transfer coefficients were obtained from 160 to 350 kcal/m²-hr-deg (with bed temperatures from 310 to 815C and for the steel specimen from 200 to 400 kcal/m²-hr-deg (with the oven temperature from 835 to 960C). The experimental results are presented graphically in the form of the dependence of the heat transfer coefficient on the fluidized bed temperature and on the reduced velocity of the liquefying air. The temperature fields in the fluidized bed in the temperature interval from 300 to 800C were also investigated.

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ACC NR: AR6014925

It was established that the nonuniformity of the temperature in the core of the operating bed did not exceed $\pm 2^\circ\text{C}$. It is assumed that heating of parts in ovens with a fluidized bed can be effectively utilized, if the heating rate is not limited by the technology of the process. Yu. Ye. Pokhvalov [Translation of abstract]

SUB CODE: 20

Card 2/2 11b

ROZHDESTVENSKIY, Oleg Yevgen'yevich; SHAKHNAROVICH, L.A., red.; FEDOROVA,
V.V., tekhn. red.

[Underground mineral resources; where and how to search for minerals]
Podzemnye klady; gde i ikak iskat' poleznye iskopaemye. Magadan,
Magadanskoe knizhnoe izd-vo, 1960. 80 p. (MIRA 14:9)
(Mines and mineral resources)

RAKHMATOV, M.; ROZHDESTVENSKIY, P., red.; TROYANOVSKAYA, N., tekhn. red.

[Africa is striding toward freedom] Afrika idet k svobode. Moskva, Gos. izd-vo polit. lit-ry, 1961. 86 p. (MIRA 14:10)

1. Zamestitel' Predsedatelya Prezidiuma Verkhovnogo Soveta SSSR i Predsedatel' Prezidiuma Verkhovnogo Soveta Tadzhikskoy SSR (for Rakhmatov).

(Africa--Politics)

(Africa--Economic conditions)

VASYANIN, Aleksandr Ivanovich, zhurnalist-mezhdunarodnik;
ROZHDESTVENSKIY, P., red.; KONOVALOVA, L., tekhn. red.

[The Republic of Mali] Respublika Mali. Moskva, Gospolitizdat,
1963. 70 p. (MIRA 16:5)

(Mali)

LAPONOGOV, Ivan Sergeyevich; ROZHDESTVENSKIY, P., red.; TROYANOVSKAYA, N.,
tekhn. red.

[In socialist Czechoslovakia] V Chekhoslovakii sotsialisticheskoi.
Moskva, Gospolitizdat, 1962. 94 p. (MIRA 15:12)
(Czechoslovakia—Social conditions)

ROZHDESTVENSKIY, P.A.

Devices for machining seats for drive shaft bearings of horizontal
forging machines. Stan.i instr. 29 no.1:33 Ja '58. (MIRA 11:1)
(Bearings--Repairing)

OBORIN, V.A., inzh.; ROZHDESTVENSKIY, P.A., inzh.; POLYAKOVA, M.A., inzh.

Introducing the use of titanium enamels at the Lysva metalworking
plant. Biul. TSNIICM no.7:28-30 '58. (MIRA 11:6)
(Lysva--Metalwork) (Enamel and enameling) (Titanium)

ROZHDESTVENSKIY, P.A.

Forging-machine bed has been reconditioned. Mashinostroitel'
no.6:14-15 Je '61. (MIRA 14:6)
(Sverdlovsk—Forging machinery—Maintenance and repair)

ROZHDESTVENSKIY, P. A.																									
COMMON ELEMENTS													PROCESSES AND PROPERTIES INDEX												
CA Rapid method of regulating oxidation. P. A. Rozhdestvenskiy. <i>Zavodskaya Lab.</i> 8, 206-8 (1939).—The anticorrosion resistance of objects was judged by measuring the e. m. f. between the oxidized specimens and Pt in 0.05% NaCl soln. at 20°. The results are given in graphs. A diagram of the app. is included. B. Z. K.																									
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																									

ROZHDSEIVENSKIY, P. A.

CA 9

Nitridation of steel articles. P. A. Rozhdestvenskii.
Russ. 88,318, Nov. 30, 1940. Articles-to-be-nitridated are
first dipped into a mixt. of MnO_2 , $TiCl_3$ and aniline or an
aq. soln. of glue.

AS 4-35.4 METALLURGICAL LITERATURE CLASSIFICATION

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

ROZHDESTVENSKIY, P. G.

Danil'chenko, P. G.; Rozhdestvenskiy, P. G. - "Discovery of Fish in Melanite Formations of Eastern Carpathians," Priroda, No. 8, 1949.

ROZHNDESTVENSKIY, P.G.

"Discovery of Fish in Melanite Formations of Eastern Carpathians,

"Priroda, No. 8, 1949.

ROZHDESTVENSKIY, Rostislav L'vovich; POPOVA, N.E., otv.red.; RYAZANTSEVA,
M.M., red.; SHEFER, G.I., tekhn.red.

[Apparatus for the transmission of broadcasting programs through
duplex channels of high-frequency telephone systems] Apparatura
dlia peredachi programm veshchaniia po sdvoennym kanalam sistem
vch telefonirovaniia. Moskva, Gos.izd-vo lit-ry po voprosam
sviazi i radio, 1960. 38 p. (MIRA 13:5)
(Radiotelephone)

PHASE I BOOK EXPLOITATION

SOV/4240

Rozhdestvenskiy, Rostislav L'vovich

Apparatura dlya peredachi programm veshchaniya po sdvoyennym kanalam sistem vch telefonirovaniya (Equipment for the Transmission of Broadcasting Programs by Means of Dual Channels of High Frequency Telephone Systems) Moscow, Svyaz'izdat, 1960. 38 p. (Series: Lektsii po tekhnike svyazi). 7,600 copies printed.

Sponsoring Agency: USSR. Ministerstvo svyazi. Tekhnicheskoye upravleniye.

Resp. Ed.: N. E. Popova; Ed.: M. M. Ryazantseva; Tech. Ed.: G. I. Shefer.

PURPOSE: This booklet is intended for the technical personnel of the USSR Ministries of Radio Engineering and Communications.

COVERAGE: The booklet describes the equipment used for broadcasting on dual channels of high frequency telephone systems. The equipment was developed by SKB MRTP (Design Office of the USSR Ministry of Radio-Engineering Industry) in collaboration with NIITS (Scientific Research Institute of Urban and

Card 1/3

Equipment for the Transmission (Cont.)

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Rural Telephone Systems of the USSR Ministry of Communications).

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AVAILABLE: Library of Congress

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JP/wrc/fal
10-6-60

ROZHDESTVENSKIY, Rostislav I'vovich; LESHCHINSKIY, A.A., redaktor;
KOKOSOV, L.V., redaktor; KHELEMSKAYA, L.M., tekhnicheskii
redaktor.

[Transmitting radio programs over interurban circuits]
Peredacha programm veshchaniia po mezhdugorodnym tsepiam.
Moskva, Gos.izd-vo lit-ry po voprosam svyazi i radio,
1954. 21 p. [Microfilm] (MLRA 9:1)
(Radio--Transmitters and transmission)

ROJDESTVENSKIY, R. I.

"Transmission of Broadcast Programs on Interurban Circuits"
Peredacha Programm Veshchaniya Po Mezhdugorodnym Tsepyam, 1954, pp 2-23.

Translation M-3,053,148

RCZHDESTVENSKIY, R. L.

290

Peredacha Program Veshchaniya Po Meshdugoradnym Tsepyam. M., Sviaz'izat, 1954
24S. Schert 22 SM. (M-Vo Suyazi SSSR Tekhn Upr. Lektsii Po Tekhnike Suyazi).
10.000 EKZ 60 K. (54-54706) P.

621.396.712

SC: Knizhnaya, Letopis, Vol. 1, 1955

ROZHDESTVENSKII, S.,
G. ZILBERMAN, Trudui Nauch.-Issledovatel. Inst. Lakov i
Krasok. No. 1, 203-14 (1935)

BAKALOV, S.A.; BELOUSOV, V.P.; BRATSEV, L.A.; VODOLAZKIN, V.M.;
YEROSHENKO, V.N.; ZHUKOV, V.F.; LUBAN, S.A.; MARKIZOV, L.P.;
NADEZH DIN, A.V.; NOVIKOV, F.Ya.; PONOMAREV, V.D.; POTRASHKOV,
G.D.; ROZHDESTVENSKIY, S.I.; TROFIMOV, S.V.; FEL'DMAN, I.R.;
FOYGEL', D.O.; KHRUSTALEV, L.N.; CHURUKSAYEV, I.I.;
KONDRAT'YEVA, V.I., red.

[Theory and practice in the study of frozen ground in construc-
tion] Teoriia i praktika merzlotovedeniia v stroitel'stve. Mo-
skva, Nauka, 1965. 187 p. (MIRA 18:4)

1. Moscow. Nauchno-issledovatel'skiy institut osnovaniy i pod-
zemnykh sooruzheniy. Severnoye otdeleniye.

ROZHDESTVENSKII, S.,
G. ZILBERMAN, Trudui Nauch. -Issledovatel. Inst. Iakov i
Krasok. No. 1, 214-24 (1935)

ROZHESTVENSKII, S.,
G. ZILBERMAN, Trudui Nauch. -Issledovatel. Inst. Lakov i
Krasok. No. 1, 171-6 (1935)

ROZHDESTVENSKII, S.,

G. ZILBERMAN, Trudui Nauch. -Issledovatel. Inst. Lakov i
Krasok. No. 1, 171-6 (1935)

ROZDESTVENSKII, S.

G. ZILBERMAN, Trudni Nauch. -Issledovatel. Inst. Lakov i
Krasok. No. 1, 214-24 (1935)

ROZHDESTVENSKII, S.

G. M. ZILBERMAN, ZhFKh, 6, 289-302(1933)

ROZHESTVENSKI, S.

G. M. ZILBERMAN, ZhFKh, 6, 289-302(1933)

ROZHDESTVENSKIY, S.D.

Study of oil from seeds of *Salvia nemorosum* L. Izv. AN Kazakh SSR
Ser.khim.no.2:90-93 '48. (MIRA 9:7)

(Sage) (Oilseed plants)

| 1ST AND 2ND ORDERS | | | | | | | | | | 100 AND 4TH ORDERS | | | | | | | | | |
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| <p>Reclaiming of tires by the alkali method. S. I. Rozhdestvenskiy. <i>Caoutchouc and Rubber</i> (U. S. S. R.) 1940, No. 4-5, 74-5.—Reclaiming of tires contg. synthetic rubber by the alkali method is possible and profitable, as shown by results obtained at the Yaroslav reclaiming factory. B. Z. Kamich</p> | | | | | | | | | | | | | | | | | | | |
| ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION | | | | | | | | | | | | | | | | | | | |

NAZAROV, S.T.; SHRAYBER, D.S.; YEREMIN, N.I.; ROZHDESTVENSKIY, S.M.;
KHIMCHENKO, N.V.; LESNICHENKO, I.I., red. izd-va; UVAROVA, A.F.,
tekhn. red.; SOKOLOVA, T.F., tekhn. red.

[Modern methods of nondestructive testing] Sovremennyye metody
kontrolia materialov bez razrusheniia. Pod red. S.T.Nazarova.
Moskva, Mashgiz, 1961. 285 p. (MIRA 15:7)

1. Moskovskiy dom nauchno-tekhnicheskoy propagandy im. F.E.
Dzerzhinskogo.

(Nondestructive testing)

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| R-2 H D E-3 T v-2 N 6 R 1 y S. M. | |
| Defektoskopiya metallov (Flaw Detection in Metals): Collection of Articles) Moscow, Otkroveniy, 1959. 459 p. Errata slip inserted. 4,550 copies printed. | |
| Ed.: D.S. Shrayber, Candidate of Technical Sciences; Ed.: M.S. Lagovskaya; Tech. Ed.: V.P. Rohin; Managing Ed.: A.S. Zayarnitskaya, Engineer. | |
| PURPOSE: This book is intended for engineers and technicians in the field of nondestructive inspection and testing of metals. | |
| CONTENTS: This collection of articles deals with methods of nondestructive inspection and testing of metals. Results of investigations conducted at scientific research institutes and plants of magnetic, electrical, X-ray, ultrasonic, and fluorescent-penetrant methods of flaw detection are described. Detailed descriptions of flaw-detection methods and equipment are presented. Data are given on the status of the development of flaw-detection methods in non-Soviet countries. No personalities are mentioned. References follow several of the articles. | |
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NAZAROV, S.T.: ROZHDESTVENSKIY, S.M.; SHRAYBER, D.S.

Present state and trends in the development of the methods of
nondestructive analysis of materials. Zav.lab. 25 no.7:771-778
'59. (MIRA 12:10)

(Nondestructive testing)

25(6)

SOV/32-25-7-1/50

AUTHORS: Nazarov, S. T., Rozhdestvenskiy, S. M., Shrayber, D. S.

TITLE: Modern Stage and Ways of Development of Methods for the Non-destroying Control of Materials (Sovremennoye sostoyaniye i puti razvitiya metodov nerazrushayushchego kontrolya materialov)

PERIODICAL: Zavodskaya laboratoriya, 1959, Vol 25, Nr 7, pp 771 - 778 (USSR)

ABSTRACT: A survey of modern control methods is given in which the test objects need not be destroyed; pertinent explanations regarding the application- and development possibilities of the individual methods are pointed out. As one of the older and most known methods the X-ray-photographic method is mentioned in which the X-ray devices for a medium tension of 200 kv of the type RUP-1 and RUP-2 as well as of 400 kv of the type RUP-3 are mostly used. For the X-ray-photographic determination of material errors the use of electron-optical transducers is particularly interesting, on the one hand, an automation of the quality control may be carried out, and on the other, the error figure may be transmitted by television. Another progress is the application of xerography instead of photography in the case of X-ray methods. If several material error determinations are to be carried out, irradiation may take place by means of Co^{60} , Ir^{192} , europium $^{152-154}$, Se^{75} and Tm^{170} . The "Mosrentgen"

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